



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

eAirPermitting Customer Workshops
April 2016

Agenda

- Introductions – 15 minutes
- Background – 15 minutes
- Key Issues Exercise – 45 minutes
- Priority Ranking Exercise – 20 minutes
- Open Discussion – 20 minutes
- Wrap-up/Next Steps – 5 minutes

Introductions

- Name
- Title
- Company/Organization
- Why are you interested in ePermitting?

Background

FAQ

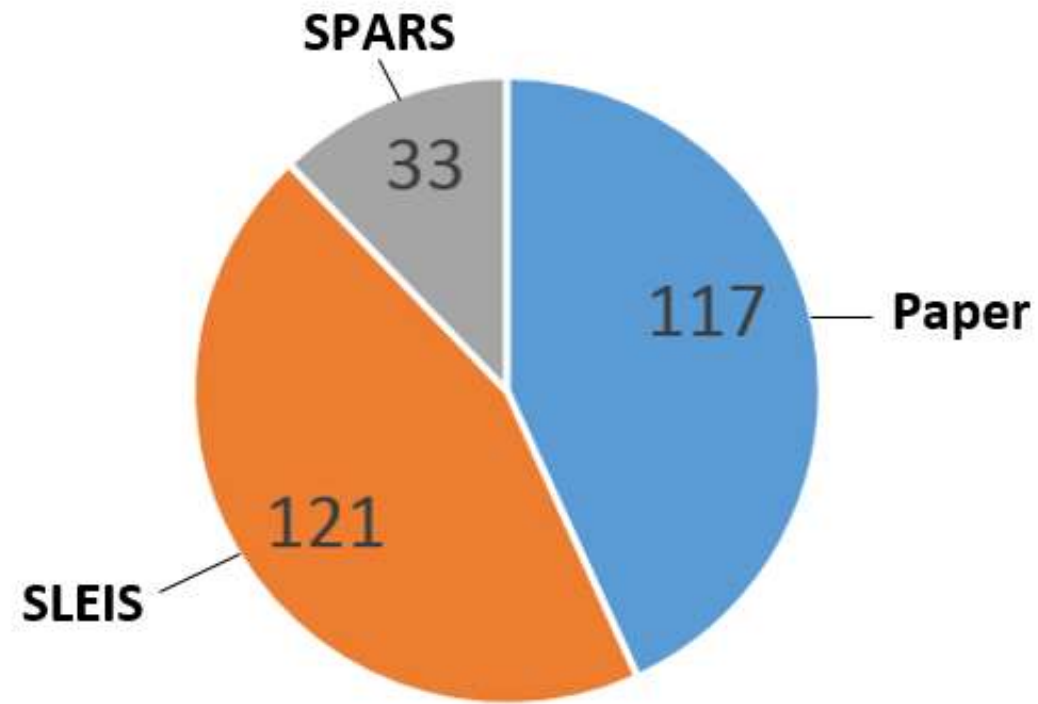
Question:

Doesn't the new State & Local Emissions Inventory System (SLEIS) handle this?

Answer:

No. SLEIS was created to accept electronic emission inventory reports.

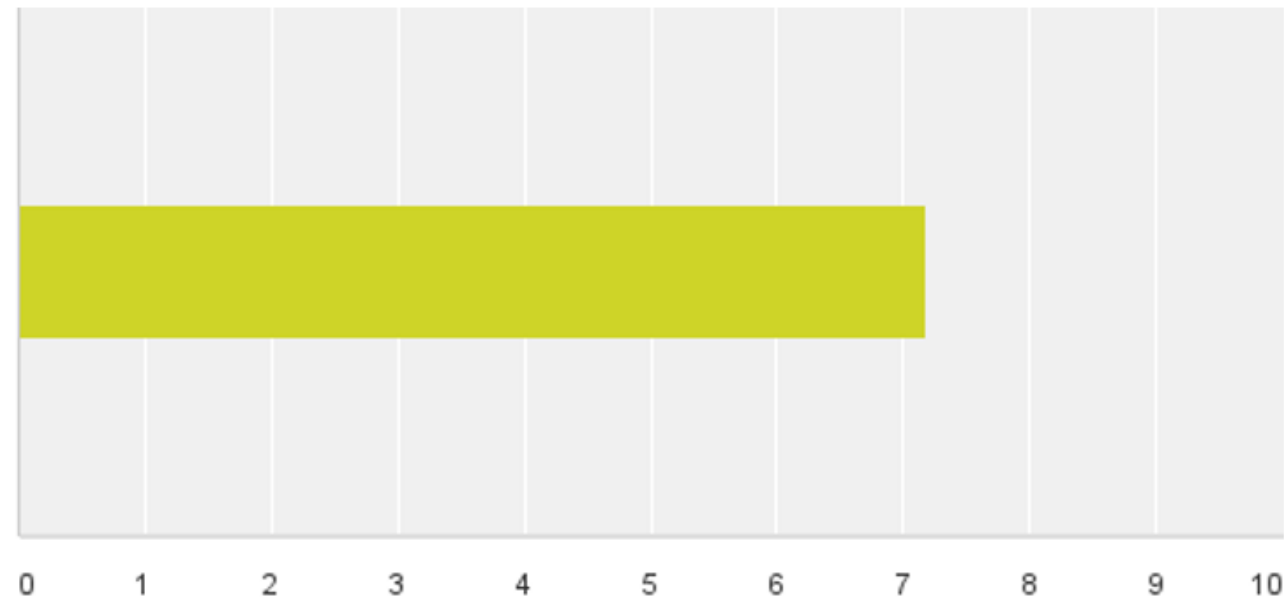
2016 SLEIS Metrics (so far...)



2015 Title V Facility EIQ reporting as of 4/7/16

2016 SLEIS Metrics (so far...)

On a scale of 1 to 10 how would you rank the ease of use of SLEIS?



1 Incredibly difficult to use	2	3	4	5 Moderately difficult to use	6	7	8	9	10 Incredibly easy to use	Total	Weighted Average
0.00% 0	0.00% 0	6.35% 4	3.17% 2	6.35% 4	6.35% 4	26.98% 17	31.75% 20	15.87% 10	3.17% 2	63	7.19



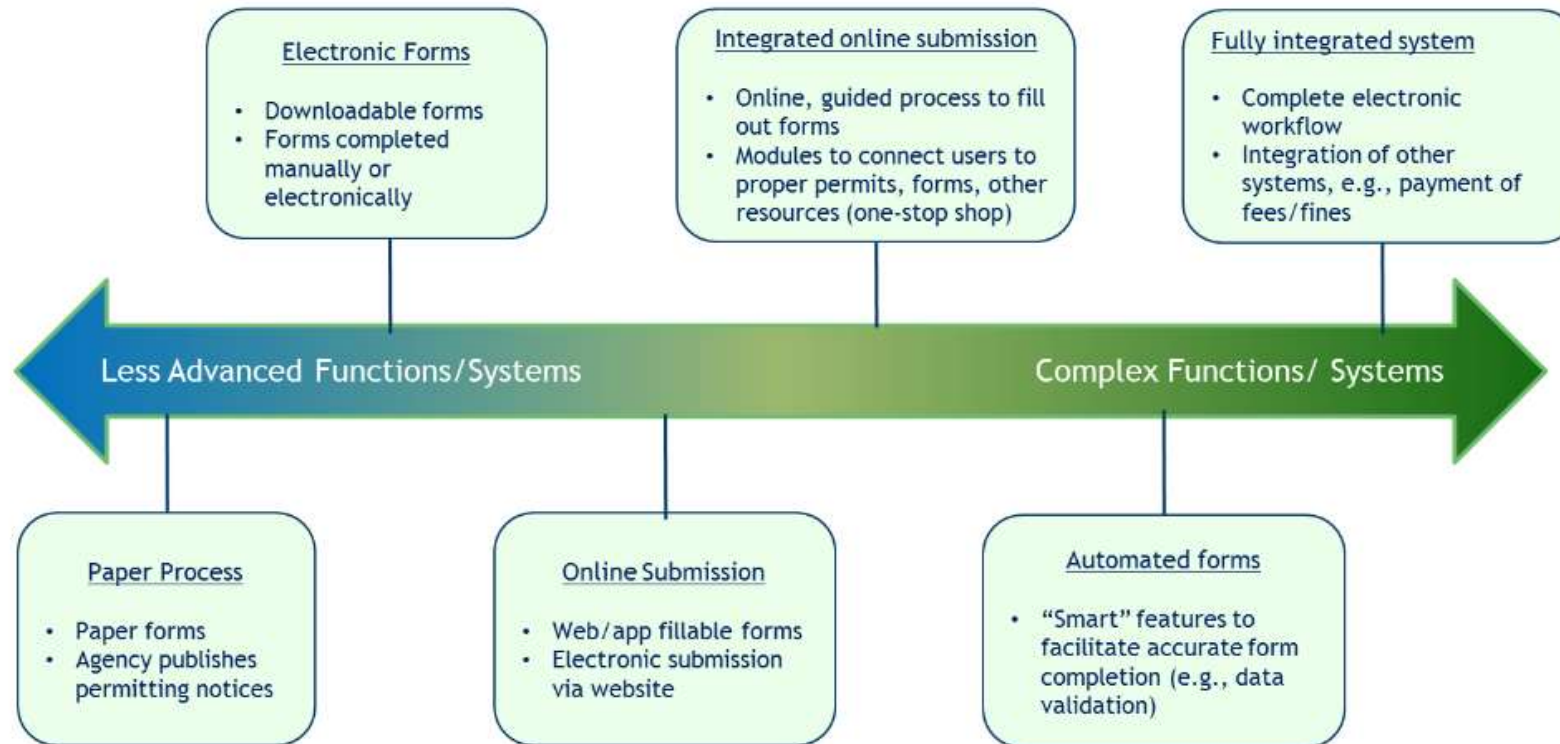
eAirPermitting – The 5 Ws

What is it?

- Any tool, system, or activity that facilitates the permitting process through *electronic* means
- *Efficiently, effectively, and accurately* complete permit applications
- Enable state program staff to manage *workflow*



Spectrum of Electronic Reporting Systems



Source: E-Enterprise Scoping Report, December 2015
www.exchangenetwork.net/ee/ePermitting_Report_12_31_15.pdf

What is SPARS used for?



- Online submittal of air quality permit applications & emissions inventories
- Online permit tracking
- Online permits (PDFs)
- Specialized queries for planning, modeling, information requests, etc.
- Emissions data for National Emissions Inventory
- Flows data to other DNR systems

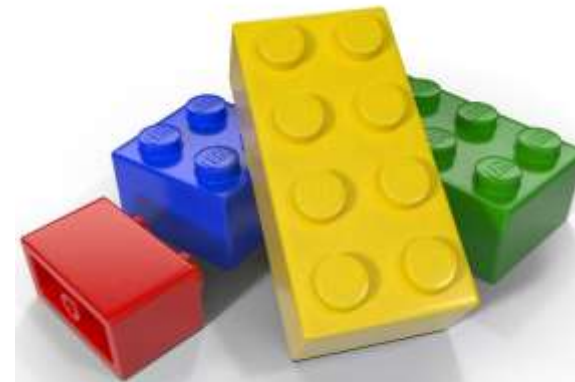
SPARS Functions

Construction Permits	Emissions Inventory	Title V Permits	Other Data Systems
Online Reporting	Online Rep	Online Reporting	DNR Facility Explorer ("One Stop")
Features: <ul style="list-style-type: none"> • Copy from previous Application • Store Attachments • Data Download 	Features: <ul style="list-style-type: none"> • Copy from previous Inventory • Save Attachments • Data Download 	Features: <ul style="list-style-type: none"> • Copy from previous Application • Store Attachments • Data Download 	Field Office Database
Custom Data Queries	Custom Data	Custom Data Queries	Stack Test Database
Project Tracking Online: <ul style="list-style-type: none"> • Search Application Status • View Issued Permits (PDF's) • Public Comment Notice 	National Emissions Inventory (NEI)		Construction Permit Search
			AQWebApps

SLEITS State & Local Emissions Inventory System

Why - Iowa's Goals

- Governor's Strategic Goal 1 – 200,000 New Jobs for Iowans
- DNR Strategic Plan Goal 1 Strategy 2 – Maintain Air Quality Standards and enhance economic growth by reducing regulatory hurdles
- DNR Strategic Plan Goal 4 Strategy 2 – Optimize systems and resources.



Why do we need it

SPARS is outdated

The existing system was designed for hardware from the 1990s



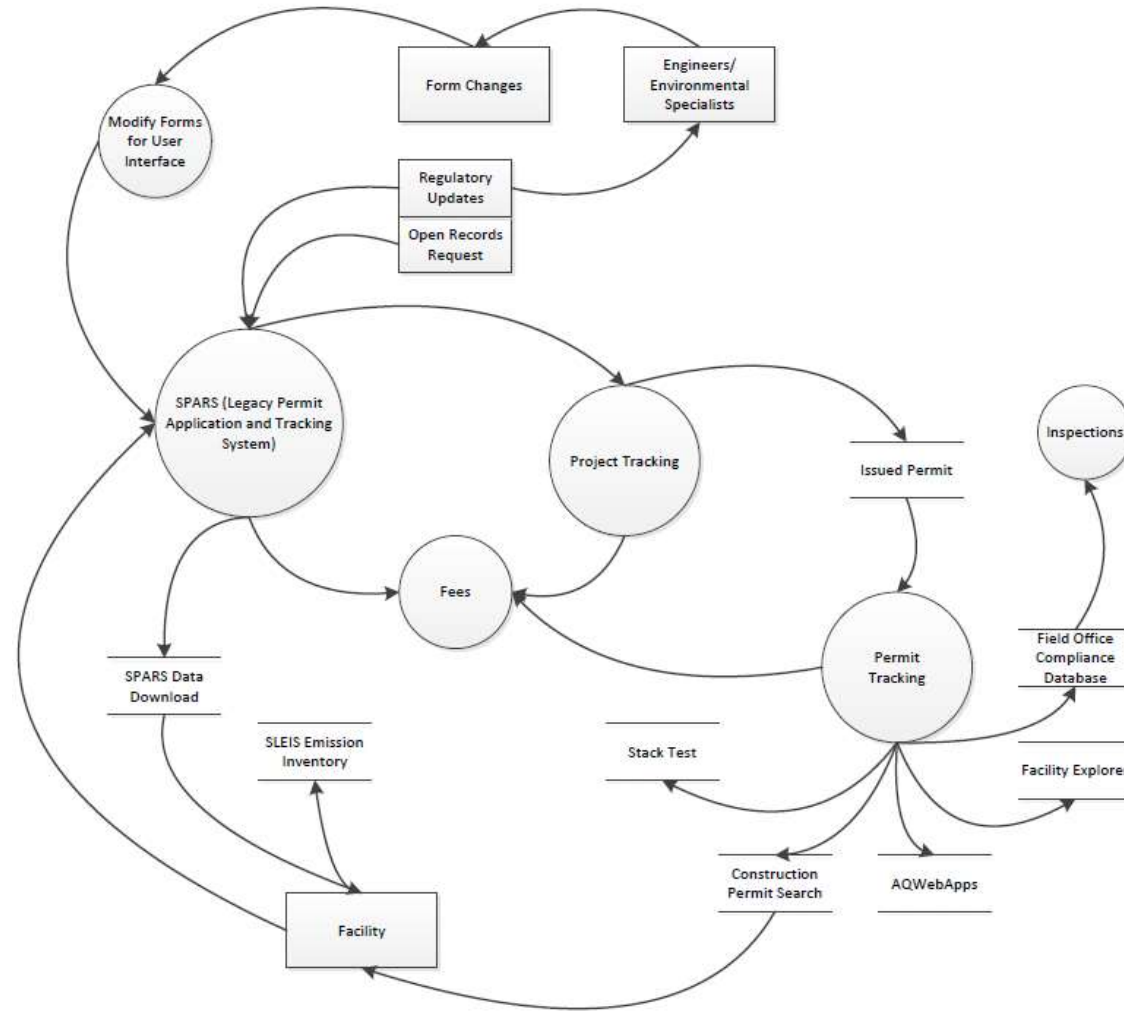
Accommodate Complex Systems

Multiple emission units in a single emission point

One emission unit through multiple emission points

Control equipment, monitoring equipment, etc.





Required Components



Federal Electronic Reporting Requirements

“EPA’s Cross-Media Electronic Reporting Rule (CROMERR) provides the legal framework for electronic reporting under EPA’s regulatory programs. The Rule sets performance-based, technology-neutral system standards and provides a streamlined, uniform process for Agency review and approval of electronic reporting. The CROMERR program ensures the enforceability of regulatory information collected electronically by EPA and EPA’s state, tribal and local government partners.”

- 40 CFR Part 3
- www.epa.gov/cromerr

CROMERR Standards

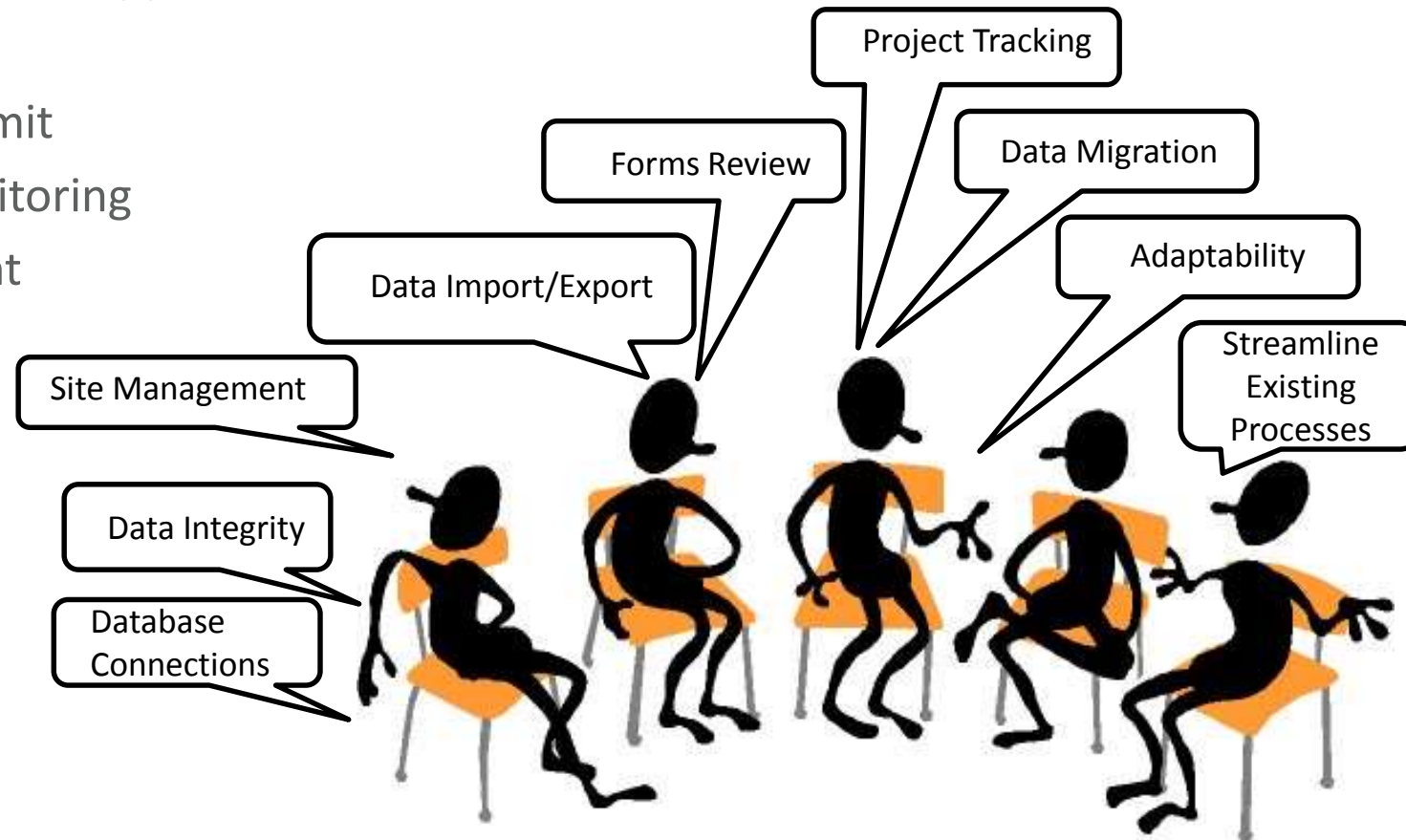
Timeliness of data generation	Binding the electronic signature to the document
Copy of record	Understanding the act of signing
Integrity of the electronic document	Electronic signature or subscriber agreement
Submission knowingly with intent and not by accident	Acknowledgement of receipt
Opportunity to review and repudiate copy of record	Determining the identity of the individual uniquely entitled to use a signature device
Validity of the electronic signature	

Who is involved?

- **ECOS and EPA are partners in E-Enterprise for the Environment. Working together to:**
 - Streamline and modernize environmental protection
 - Leverage technology where appropriate
 - Commit to joint governance to ensure adoptability
- **Iowa DNR - Environment Services Division**
- **Office of the Chief Information Officer (OCIO)**
- **eAirServices Advisory Workgroup (YOU!)**

Air Quality Bureau

- Emissions Inventory and Support
- Construction Permit
- Title V Operating Permit
- Compliance and Monitoring
- Program Development



When

- Business Requirements by July 2016
- Targeted delivery Fall 2017
- The Planning phase is now – determine necessary functionality *and* desired features

Group Discussion

**How can eAirPermitting
best address the needs
of DNR customers?**



Priority Ranking Exercise & Discussion

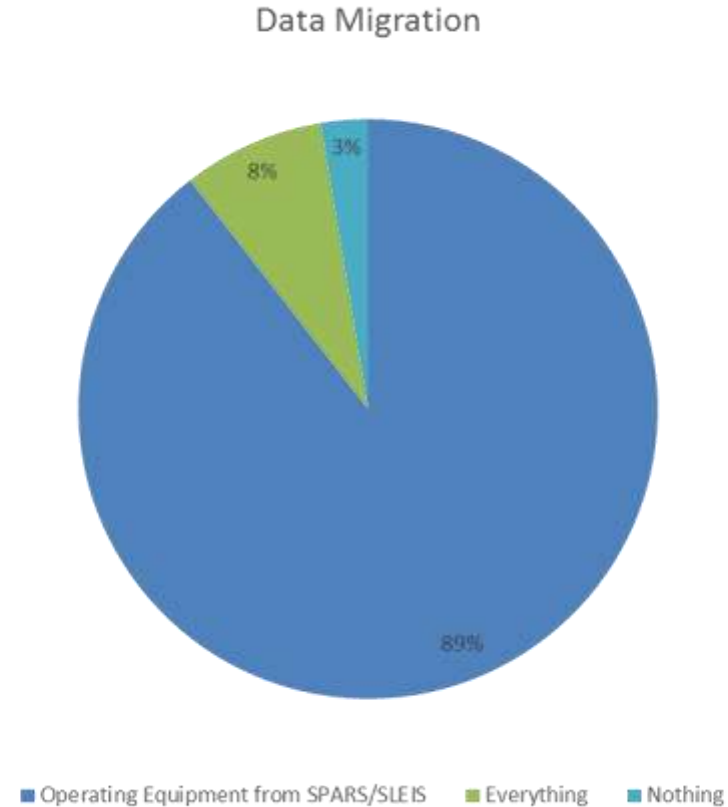
Participants were asked to select which option was preferred on five (5) questions and also asked to rank seven (7) key features categories by placing sticky dots on the feature that was most important for the facility. The next several slides show the results of the exercise.



Top Priority Within Category

How much data should be migrated from SPARs to the new system?

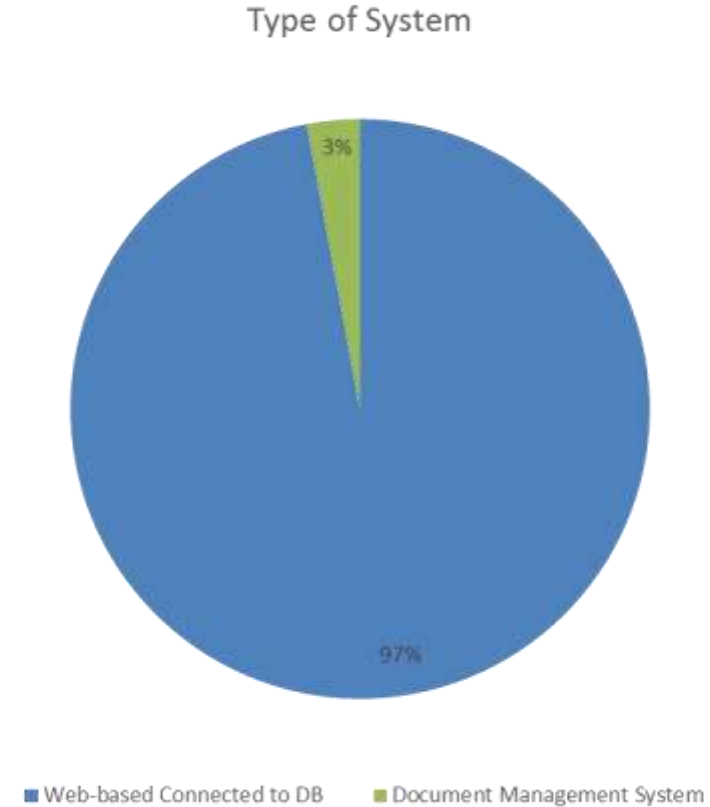
1. Migrate select data such as just the operating equipment from SPARS/SLEIS
2. Migrate Everything
3. Migrate Nothing – start fresh



Top Priority Within Category

What type of system works best?

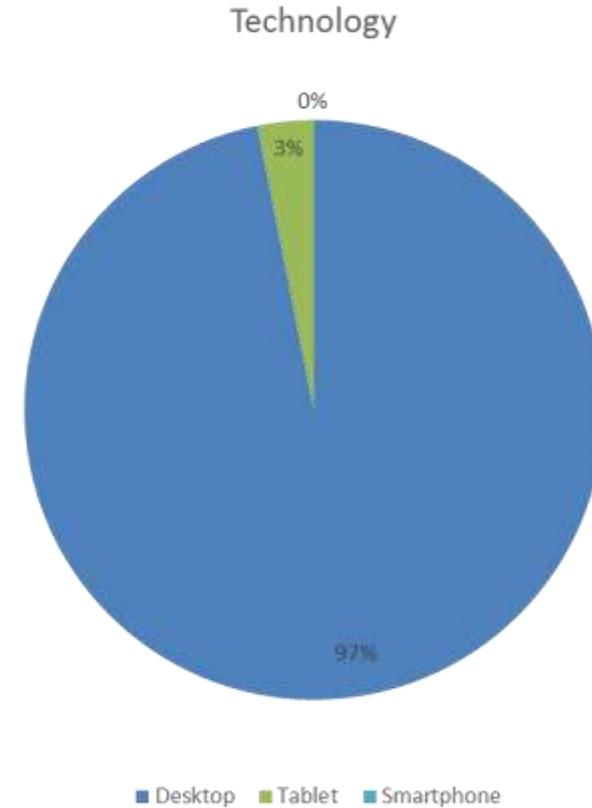
1. Web based user interface that connects to a database
2. Document Management System that stores a copy of the *.docx or *.pdf application



Top Priority Within Category

What type of technology will your facility use to enter eAirPermit?

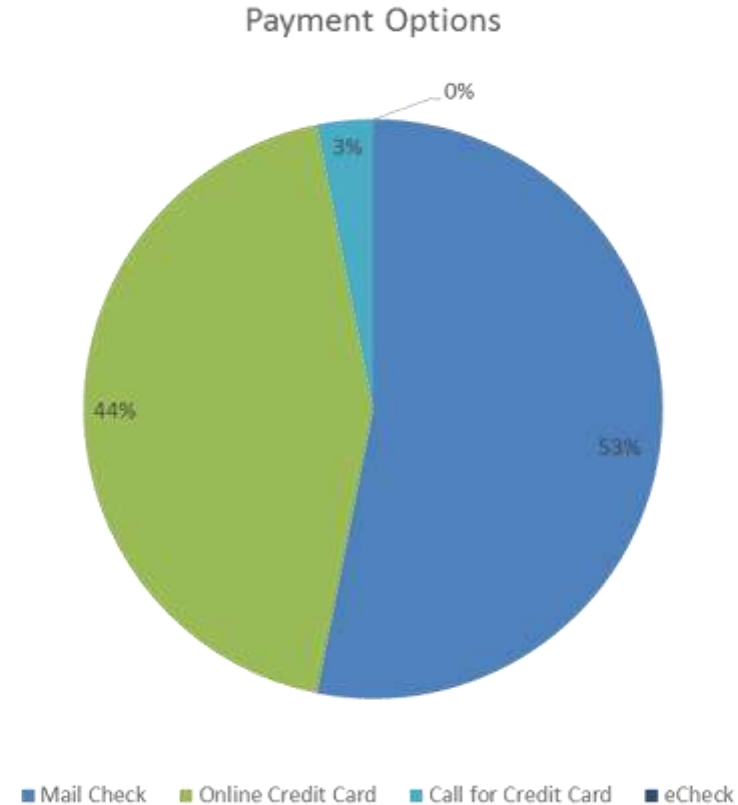
1. Desktop/laptop
2. Tablet/iPad
3. Smartphone



Top Priority Within Category

How does your facility want to pay the permit application fee?

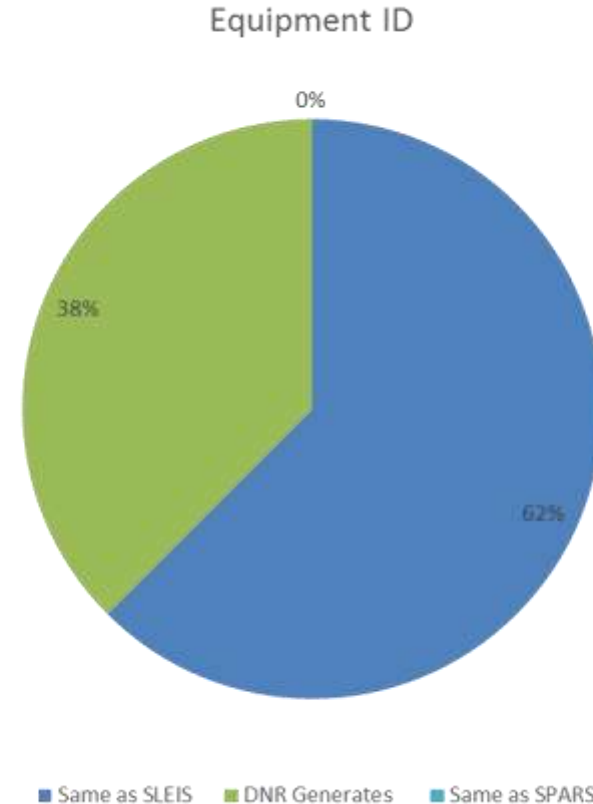
1. Mail Check
2. Online Credit Card
3. Call for Credit Card
4. eCheck



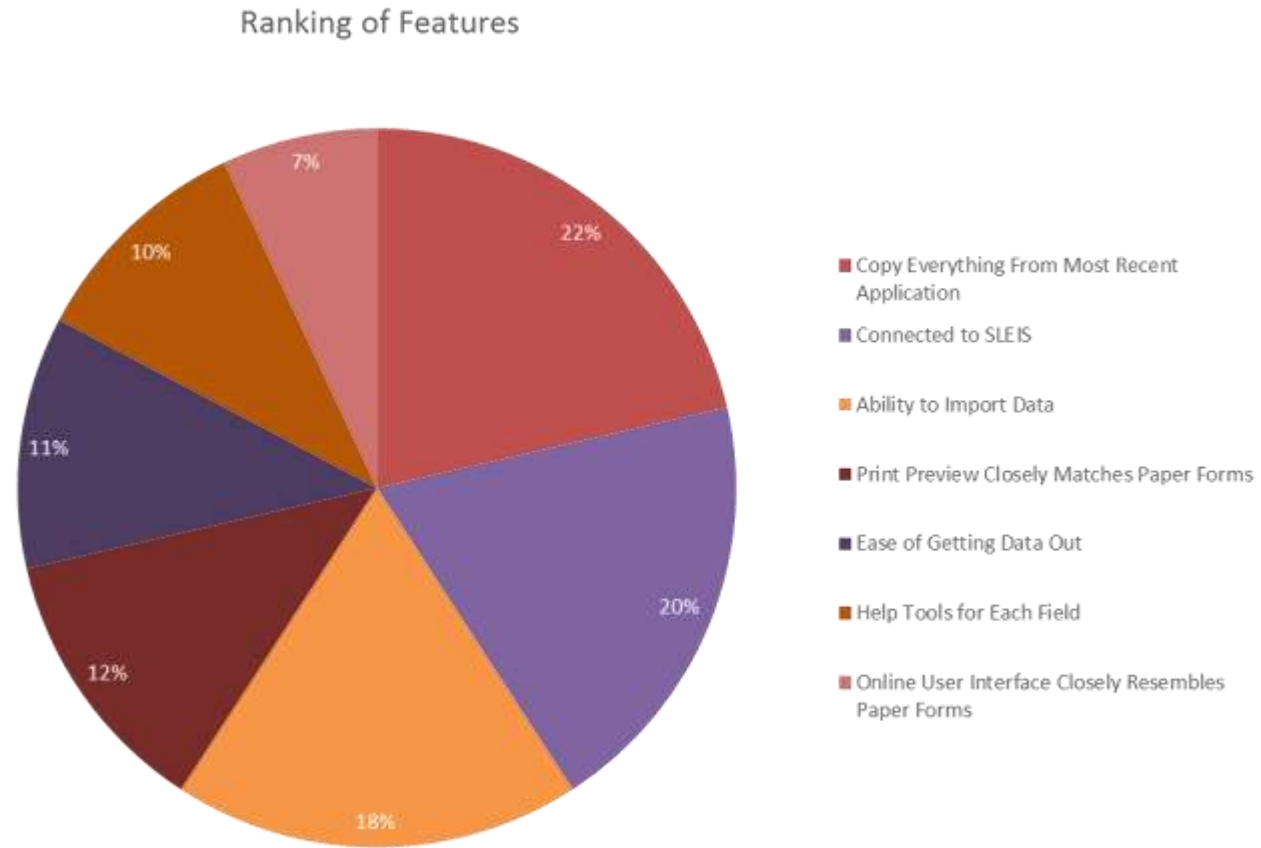
Top Priority Within Category

How should the new system handle Equipment IDs?

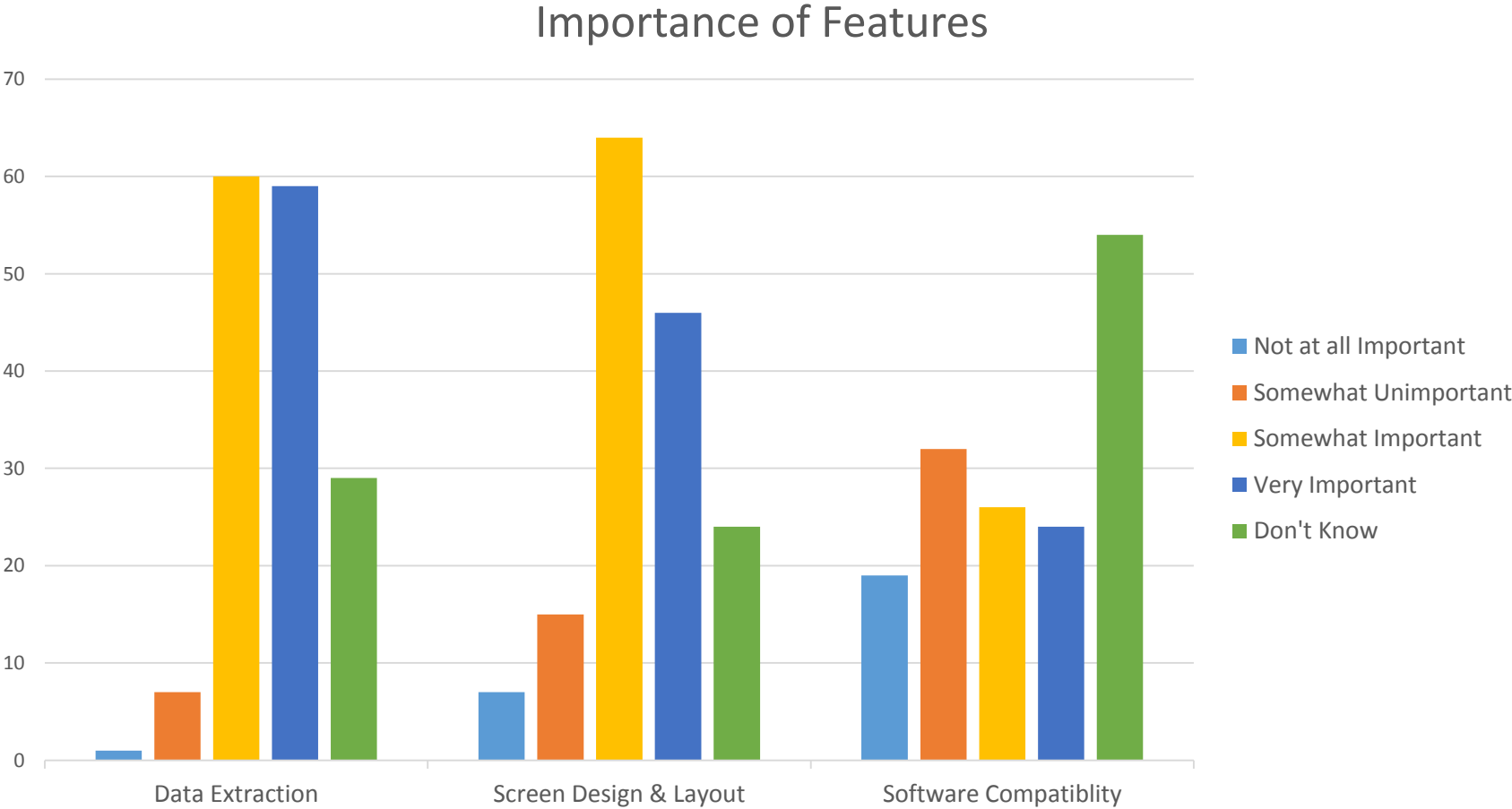
1. Created by facility and then cannot be changed (Same as SLEIS) eliminates broken parent-child relationships
2. DNR generates a factless number unique to the equipment eliminates broken parent-child relationships
3. Facility can add/delete/edit (Same as SPARS) sometimes creates broken parent-child relationships



Key Features Ranked by Sticky Dots



What Customers Told Us in 2013



What's Next



Contacts

LeAnn Larsen, Business Analyst

Leann.larsen@dnr.iowa.gov

515-725-9541

Jason Marcel, Supervisor

Iowa DNR – Air Quality Bureau

Jason.Marcel@dnr.iowa.gov

515-725-9529

“While many factors contribute to being an agile enterprise, an organization's information systems play a major role. Unfortunately, most legacy systems prevent businesses from being more adaptable to change.”

Ulrich, William M.

Legacy Systems Transformation Strategies, 2002